

Buffalo Forge Company

450 Broadway, Buffalo, N. Y.

Unit heaters, Ventilating Fans (centrifugal axial flow and propeller), Air Washers, Drying Equipment, Mechanical Draft Fans, Air Preheaters, Blowers, Exhausters, Air Cleaning Equipment, Spray Nozzles. Write for Bulletins mentioned below, or call the "Buffalo" Engineering Representative in your nearest principal city. "Buffalo", publisher of "FAN ENGINEERING", is ready to work with you on any air problem you may have.



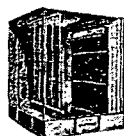
TYPE "BL" VENTILATING FANS. These non-overloading centrifugal fans are widely used in large ventilating and air conditioning systems where quiet operation and high efficiency are desirable. Performance is completely stable, from free air delivery to shutoff. Smooth bell-shaped inlet and duct collars with "Buffalo" directional inlet vanes, minimize entry turbulence. The rotor has a curved shroud matching the inlet bell, as well as double backward curved blades for smooth, quiet air flow through the streamlined, full-curvature housing. Capacities from 1000 to 500,000 cfm. Wide choice of arrangements. Write for *BULLETIN F-101*.

INDUSTRIAL EXHAUSTERS: All-welded steel plate construction in these heavy-duty fans means smooth rivet-free interior surfaces for minimum friction. Available with interchangeable "AW" Air Wheels for airborne dusts, gases, fumes, or with "MW" Material Wheels for grit, sawdust, grain, stringy materials. Available with heat slingers to handle gases up to 1000 F. in induced draft and other high temperature applications. Write for *BULLETIN 3576*.



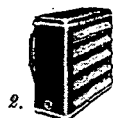
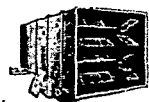
AXIAL FLOW VENTILATING FANS. For light-duty (up to 3 in. s.p.) ventilation, exhausting, system boosting, draft and circulation applications, these lightweight fans fit into straight duct runs, taking up no more room than a section of round duct. Extremely quiet, efficient and non-overloading. Available in tubeaxial (without directional vanes) or vane-axial (with directional vanes) models, with direct connected motor-in-housing or with Vee-belt drive and motor out of air stream. Models for high or low temperatures, non-sparking and/or corrosion resistant construction. Write for *BULLETIN 3533-EF*.

AIR CLEANING EQUIPMENT. "Buffalo" builds all types of units from Air Washers like the one shown for cleaning, humidity control, heating and cooling to highly specialized units for abating effluent nuisances in the chemical and process industries. More than a half-century of experience in this field is at your service, as well as our complete manufacturing facilities. Write for Bulletins on the industry-proved "Buffalo" equipment to solve any air cleaning or processing problem you may have.



PC CABINETS (1). Heavy-duty units for major air conditioning. Compact,

coils and heavy-gauge paneling and tank. *BULLETIN 3703*.



sectionalized construction permits easy installation and servicing. Vertical floor or flat suspended models for any or all air conditioning functions. Equipped with "Buffalo" Fans and Pumps, Aerofin

UNIT HEATERS (2). "Buffalo" breezeo-Fin Heaters operate on as little as 2 lbs steam, have high-radiation one-piece copper-finned tubes and efficient "Buffalo" Breezeo Fan for quick, economical heat where needed. Write for *BULLETIN 3137-E*. Also, a wide selection of heating and ventilating units, with or without filtered intake and by-pass dampers, suspended and floor models for large areas.

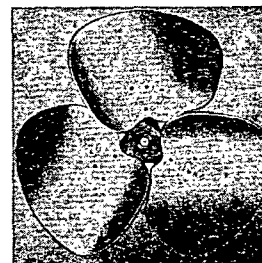
Alan E. Burden Co., Inc.

Manufacturer of Propeller Type Fan Blades
1940-50 Pontius Ave., Los Angeles 25, Calif.

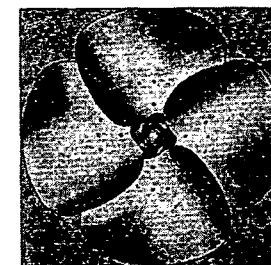
For Air Conditioning Refrigerating and Heating Applications

All Burden Fan blades are individually inspected after leaving the production line for bore size with "go and no-go" gauges, to a tolerance of plus or minus one thousandth of an inch. Each fan blade is individually gauged on a special machine for contour and alignment, then statically and dynamically balanced with Mechanical, Audio Vibration Equipment.

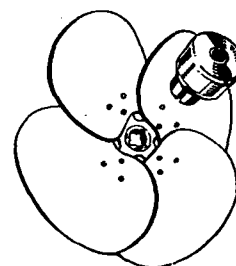
A modern, completely equipped laboratory makes possible exhaustive performance tests. Expert engineering counsel is available for requirements involving unusual applications. A laboratory at the factory is equipped for both routine and special testing when necessary.



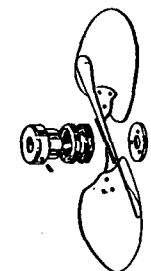
BURDEN 3 BLADE FANS. Furnished clockwise and counter-clockwise. Diameter range, 10 in. to 24 in. with variations of pitch of from 6 deg to 42 deg in increments of 1 deg. Hubs front or back. Standard spiders cadmium plated. Blades aluminum, commercial bright.



BURDEN 4 BLADE FANS: Furnished clockwise and counter-clockwise. Diameter range, 10 in. to 30 in. with variations of pitch of from 6 deg to 42 deg in increments of 1 deg. Hubs front or back. Spiders cadmium plated. Blades aluminum, commercial bright.



BURDCO REVERSIBLE, INTERCHANGEABLE HUBS: Designed for special Burden blades produced with uniform size openings. Hubs produced in six bore sizes can be quickly adapted to front or back and keyed firmly into place with a positive locking device. They are adaptable to 3 or 4-blade fans, clockwise or counter-clockwise in all variations of pitches.



BURFLEX HUBS: Are similar to the Burdco reversible, interchangeable type with the added feature of a specially designed noise insulating grommet, constructed to fit over the hub in applications where lessened vibration and dampening of sound are desired. Insulated hub absorbs motor noise. Information sent on request.